

# Counters and Displays for Linear Gage LGF-Z

## Series 542

- Employs DIN (144 x 72 mm) and mount-on-panel configuration to facilitate system integration.
- Counter can be used on a desktop mounted to a display stand (included).
- The standard RS-232C and USB interface allows easy communication with an external PC.
- A multi-point measuring system can easily be created with the built-in networking function (RS link, max. 12 points).
- The 2-gage input type can perform 2-axis display and make addition or subtraction calculations between 2 gages.



542-073



542-073



542-067



02ADD400



542-017



542-017



542-094-2



542-094-2

No.	Input signal type	Gage inputs	Resolution	Mass g	Remarks
542-073D	Differential square-wave	2 (double display)	0,0001/0,0005/0,001/0,005/0,01 mm	800	
542-073E	Differential square-wave	2 (double display)	0,0001/0,0005/0,001/0,005/0,01 mm	800	UK only
542-067	Differential square-wave	6 (without display)	0,0001/0,0005/0,001/0,005/0,01 mm	910	
02ADD400.				200	
542-094-2	Differential square-wave with origin point mark	1 (single display)	0,0001/0,0005/0,001/0,005/0,01 mm	400	
542-017*	Differential square-wave with origin point mark	1 (single display)	0,0001/0,0005/0,001/0,005/0,01 mm	400	

Series 542		542-017	542-067	542-094-2	542-073D
<b>Functions</b>					
PRESET		●	●	●	●
Tolerance limit input on/off		●	●	●	●
Calculation of sum		●	●	●	●
Sum/difference of two probes			●		●
ABS/INC			●		●
ZERO/ABS			●		●
GO/NG Display		●	●	●	●
Error display		●	●	●	●
Diameter display					●
MAX / MIN / Difference measurement		●	●	●	●
Key lock		●	●	●	●
Counting direction switching		●	●	●	●
mm/inch		●	●	●	●
External control		●	●	●	●
DIGIMATIC Data input				●	●
RS Link			●	●	●
RS-232C Output				●	●
Digimatic output			●	●	●
USB MITUTOYO SENSORPAK Output				●	●
I/O Output		●	●	●	●
Tolerance judgement (3 or 5 step)		●	●	●	●
+NG-/NG/GO Output on open collector		●	●	●	●
Error output		●	●	●	●
Analogue output					●

### Specifications

- 542-073D (EH-Z) Same specifications as counters 542-075 and 542-071  
Delivered with AC adapter
- 542-017 (EG-Z) Same specifications as counter 542-015
- 542-094-2 (EB-Z) Same specifications as counter 542-092-2
- 542-067 (EV-Z) Same specifications as counter 542-063  
Delivered with sector RS Link adapter  
Series Z counters may only be connected together
- EH-Z Up to six EH-Z counters may be connected together
- EV-Z Up to ten EV-Z counters may be connected together

### Optional accessories

No.	Description
02ADB440	BCD-I/O-Data connector
936937	Data cable (1 m)
965014	Data cable (2 m)
02ADF180	10-key unit
<b>For 542-067, 542-094-2 and 02ADD400</b>	
02ADD930	Three-wire cable for power supply via AC adapter
02ZAA020	AC cable
02ZAA030	AC cable UK only
02ADN460	AC adapter



Refer to the Linear Gage brochure